Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/11/2014 02:29 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/31/2014 10:52 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124615	-1	1.23	124362	0.96
Blue	F	SSC	125000	123319	-2	3.24	123080	2.65
Blue	E	FITC	18287	17741	-3	1.80	802	7.99
Blue	D	PE	25829	25441	-2	1.40	946	7.17
Blue	B	PerCP-Cy5-5	46664	46200	-1	2.64	1577	11.96
Blue	A	PE-Cy7	45313	44570	-2	4.60	969	22.38
Red	C	APC	50625	49498	-3	2.24	2893	8.27
Red	A	APC-Cy7	50689	50245	-1	2.67	1597	8.53
Violet	B	V450	13569	13340	-2	1.59	800	5.89
Violet	A	V500	56861	55991	-2	1.41	2707	3.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20424	2.07	565	6	N/A	N/A	Pass
Blue	F	SSC	60222	1.49	474	2	N/A	N/A	Pass
Blue	E	FITC	99	30.41	495	-1	0.0362	162	Pass
Blue	D	PE	209	21.57	494	0	0.3170	266	Pass
Blue	B	PerCP-Cy5-5	217	32.95	572	0	0.0161	47	Pass
Blue	A	PE-Cy7	86	76.31	632	-1	0.0219	10	Pass
Red	C	APC	327	24.37	565	0	0.0272	110	Pass
Red	A	APC-Cy7	137	31.34	547	1	0.0071	1285	Pass
Violet	B	V450	85	36.28	442	0	0.0848	3234	Pass
Violet	A	V500	186	20.97	476	0	0.0242	1580	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.69	-31.42	0.91
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.27
Red	17.69	13.07 - 19.61	N/A	N/A	31.95	32.18	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15621

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments